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EARTH RESOURCES TECHNOLOGY SATELLITE
DATA COLLECTION PROJECT ERTS-A BOLIVIA.

OCTOBER 1.972.

TYPE I REPORT FOR PERIOD

JULY - OCTOBER 1.972

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(E72-10191) EARTH RESOURCES TECHNOLOGY
SATELLITE DATA COLLECTION PROJECT ERTS-A
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Unclas
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- 1.0.0.- Summary of the objectives of the project
- 1.1.0.- Cartography
 - 1.1.1.- Preparation of photomaps at diferen scales utilizing bulk images
 - 1.1.2.- Evaluation of the preceeding information for the purpose of preparing a photomap of the entire country.
 - 1.1.3.- Selection of areas for the request for precision images
- 1.2.0.- Geology
 - 1.2.1.- Regional Geology
 - 1.2.2.- Tectonics
 - 1.2.3.- Studies in the mineral zones of Bolivia
 - 1.2.4.- Geomorphology
 - 1.2.5.- Aluvial deposits mineral
 - 1.2.6.- Petroleum exploration
 - 1.2.7.- Volcano surveys
 - 1.2.8.- Lithologic maps
- 1.3.0.- Agronomy
 - 1.3.1.- Soil classification and mapping
 - 1.3.2.- Land classification
 - 1.3.3.- Land use survey
 - 1.3.4.- Saline soils and drainage survey
 - 1.3.5.- Soil erosion maps
 - 1.3.6.- Timber survey and classification
 - 1.3.7.- Ecological map
- 1.4.0.- Hydrology
 - 1.4.1.- Geomorphology of drainage basins
 - 1.4.2.- Determination of hydrology basins and subbasins
 - 1.4.3.- Map of the drainage pattern
 - 1.4.4.- Map of zones of hydrographic potential
 - 1.4.5.- Review of hydraulic characteristics
 - 1.4.6.- Glacier maps
 - 1.4.7.- Flood assessment mapping

1.5.0.- Participating Institutions:

Ministerio de Planificación y Coordinación
Ministerio de Transportes y Comunicaciones
Ministerio de Minería y Metalurgia
Corporación Minera de Bolivia
Servicio Geológico de Bolivia
Ministerio de Defensa
Instituto Geográfico Militar
Ministerio de Energía e Hidrocarburos
Yacimientos Petrolíferos Fiscales Bolivianos
Empresa Nacional de Electricidad
Universidad Boliviana de San Andrés
Facultad de Ciencias Puras y Naturales
Departamento de Matemáticas
Departamento de Geociencias

2.0.0.- Summary of work completed and programmed

- 2.1.0.- Gathering of basic information for the developing of each of the disciplines mentioned in paragraph 1.0.0.
- 2.2.0.- Selection of personnel who will participate in the project
- 2.3.0.- Selection of equipment and material which will be used in the project
- 2.4.0.- Study of areas where simulated flights will be carried out with multispectral camera and ground truth survey
- 3.0.0.- Difficulties in establishing the program
- 3.1.0.- Lack of information from N.A.S.A. with respect to providing images
- 3.2.0.- Changes made in data distributions

The changes made in the delivery of images will prejudice the development of the program. For this reason it is necessary that N.A.S.A. deliver the required products

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in accord with the proporsal presented

3.3.0.- Lack of ERTS images

The fundamental problem encountered was the total absence of ERTS images. For this reason it is - impossible to report on problems encountered in - the course of the investigation or changes in the procedures of operation. No documents were publised during the period

4.0.0.- Operating Organigation.-

At this time it is difficult the develop a firm - operating organigation, wich will allow planning of the work to be performed with the EARTS data. Nevertheless, the following data handling flow chart is proposed.

CEB/jdp.

DATA HANDLING FLOW CHART

